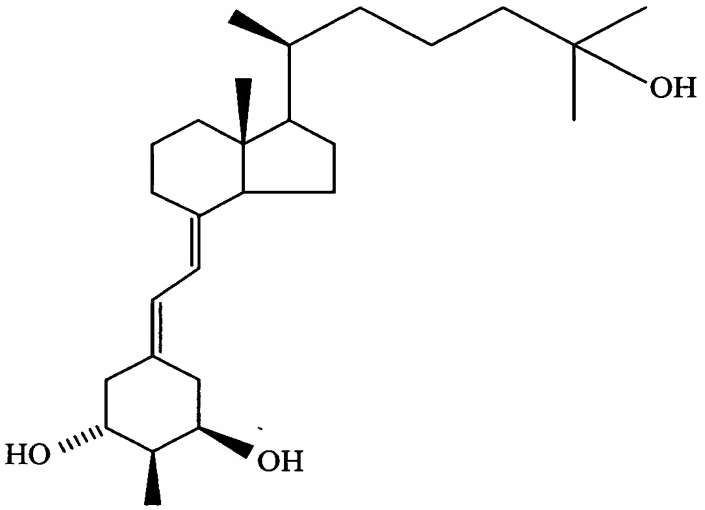
Listing of Claims:

1-17. (Canceled)

18. (Original) A method of treating leukemia, colon cancer, breast cancer or prostate cancer comprising administering to a patient with said disease an effective amount of 2α-methyl-19-nor-20(S)-1α,25-dihydroxyvitamin D_3 having the formula:



19. (Original) The method of claim 18 wherein 2α-methyl-19-nor-20(S)-1α,25-dihydroxyvitamin D_3 is administered orally.

20. (Original) The method of claim 18 wherein 2α-methyl-19-nor-20(S)-1α,25-dihydroxyvitamin D_3 is administered parenterally.

21. (Original) The method of claim 18 wherein 2α-methyl-19-nor-20(S)-1α,25-dihydroxyvitamin D_3 is administered transdermally.

22. (Original) The method of claim 12 wherein 2α-methyl-19-nor-20(S)-1α,25-dihydroxyvitamin D_3 is administered in a dosage of from about 0.01μg/day to about 10 μg/day.

23-29. (Canceled)